

RTIP ID# <i>(required)</i> 20061001				
TCWG Consideration Date October 28, 2008				
Project Description <i>(clearly describe project)</i> Installation of a new traffic signal at the intersection of Vineyard Avenue and Francis Street in the City of Ontario. The project does not require any right of way acquisition.				
Type of Project <i>(use Table 1 on instruction sheet)</i> Intersection Signalization				
County San Bernardino	Narrative Location/Route & Postmiles Intersection of Vineyard Avenue and Francis Street in the City of Ontario Caltrans Projects – EA# 08-925041/LA071003			
Lead Agency: City of Ontario				
Contact Person Jay Bautista	Phone# 909-395-2120	Fax# 909-395-2122	Email jbautista@ci.ontario.ca.us	
Hot Spot Pollutant of Concern <i>(check one or both)</i> PM2.5 X PM10 X				
Federal Action for which Project-Level PM Conformity is Needed <i>(check appropriate box)</i>				
<input checked="" type="checkbox"/> Categorical Exclusion (NEPA)	<input type="checkbox"/> EA or Draft EIS	<input type="checkbox"/> FONSI or Final EIS	<input type="checkbox"/> PS&E or Construction	<input type="checkbox"/> Other
Scheduled Date of Federal Action: November 2008				
NEPA Delegation – Project Type <i>(check appropriate box)</i>				
<input type="checkbox"/> Exempt	<input checked="" type="checkbox"/> Section 6004 – Categorical Exemption	<input type="checkbox"/> Section 6005 – Non-Categorical Exemption		
Current Programming Dates <i>(as appropriate)</i>				
	PE/Environmental	ENG	ROW	CON
Start	July 2007	July 2007	n/a	November 2008
End	November 2008	November 2008	n/a	June 2009
Project Purpose and Need (Summary): <i>(attach additional sheets as necessary)</i> This proposed project will install a traffic signal at the intersection of Vineyard Avenue and Francis Street which is currently a four-way stop. Vineyard Avenue provides access to State Route 60 and the south side of the Ontario International Airport. Francis Street provides access to the industrial areas east and west of Vineyard Avenue. The project is funded under Highway Safety Improvement Program (HSIP) is authorized by Section 1401 of SAFETEA-LU (the Safe, Accountable, Flexible, Efficient Transportation Act: A Legacy for Users). The purpose of the HSIP is to develop and implement a program that has the overall objective to reduce the number and severity of collisions and/or decrease the potential for collisions. The project intersection has demonstrated a high number of severe accidents involving vehicles and pedestrians and the project is intended to reduce accidents at the intersection.				

Surrounding Land Use/Traffic Generators (*especially effect on diesel traffic*)

The surrounding area is primarily developed with industrial uses. Truck percentages are relatively high but overall traffic volumes are relatively low as shown in the tables below.

Opening Year: Build and No Build LOS, AADT, % and # trucks, truck AADT of proposed facility**Opening Year Traffic Volumes – Build and No Build**

Road	AADT	% Trucks	Truck AADT
Vineyard Avenue	11,600	15%	1,740
Francis Street	6,700	14%	938

No Build Intersection LOS C

Build Intersection LOS B

RTP Horizon Year / Design Year: Build and No Build LOS, AADT, % and # trucks, truck AADT of proposed facility**Design Year Traffic Volumes – Build and No Build**

Road	AADT	% Trucks	Truck AADT
Vineyard Avenue	20,000	19%	3,800
Francis Street	20,000	25%	5,000

No Build Intersection LOS E

Build Intersection LOS C

Opening Year: If facility is an interchange(s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT

See Above

RTP Horizon Year / Design Year: If facility is an interchange (s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT

See Above

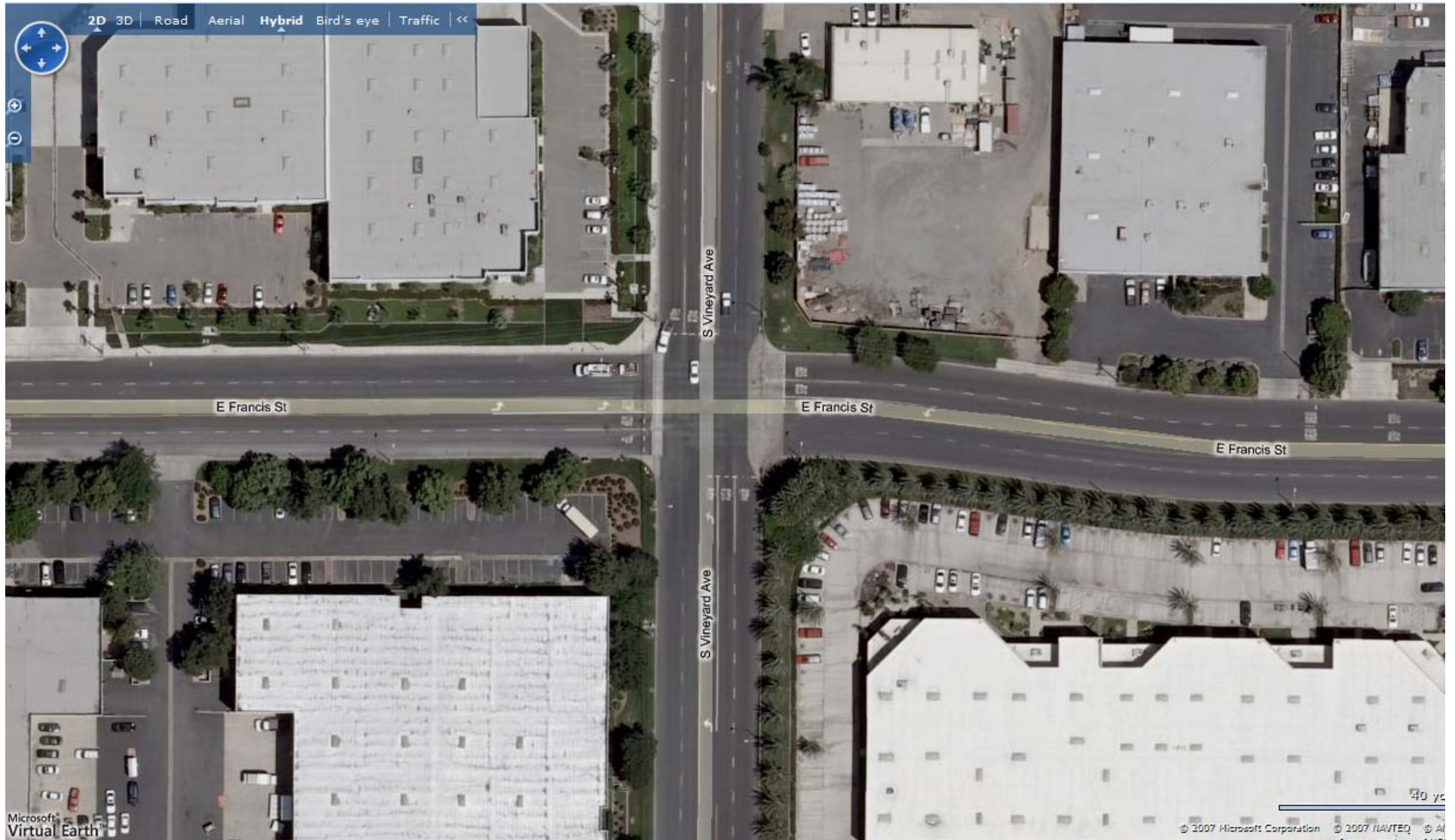
Describe potential traffic redistribution effects of congestion relief (*impact on other facilities*)

Project is not expected to result in redistribution of traffic and impacts on other facilities are not anticipated

Comments/Explanation/Details (*attach additional sheets as necessary*)

An aerial photo of the project intersection along with the plans for the project are attached.

AERIAL PHOTO OF VINEYARD AVENUE AT FRANCIS STREET



POLE SCHEDULE												
POLE DATA			MAST ARM		HPSV LUMINAIRE	SIGNAL MTG.		PED.PUSH BTN			IISNS	REMARKS
No.	TYPE	HEIGHT	SIG.M.A.	LUM.M.A.		VEHICLE	PED.	PHASE	QUAD	ARW		
A	27-4-100	17'	40'	-	-	SV-1-T	2-MAS	SP-1-T	4	N	← Francis ST ###E	3
B	1-A	10'	-	-	-	TV-1-T	-	SP-1-T	6	E	→	-
C	27-4-100	17'	40'	-	-	SV-1-T	2-MAS	SP-1-T	6	E	← Vineyard AVE ###S	3
D	1-A	10'	-	-	-	TV-1-T	-	SP-1-T	8	S	→	-
E	27-4-100	17'	40'	-	-	SV-1-T	2-MAS	SP-1-T	8	S	← Francis ST ###E	3
F	1-A	10'	-	-	-	TV-1-T	-	SP-1-T	2	W	→	-
G	26-4-100	30'	40'	12'	250W	SV-1-T	2-MAS	SP-1-T	2	W	← Vineyard AVE ###S	3
H	1-A	10'	-	-	-	TV-1-T	-	SP-1-T	4	N	→	-

ALL EQUIPMENT SHALL BE NEW.

GENERAL NOTES:

- ALL WORK AND MATERIALS SHALL CONFORM TO CALTRANS STANDARD PLANS AND SECTION 86 OF THE CALTRANS STANDARD SPECIFICATIONS, BOTH DATED JULY 2006, AND CITY OF ONTARIO SPECIAL PROVISIONS FOR TRAFFIC SIGNALS PREPARED SPECIFICALLY FOR THIS WORK.
- ANY CONTRACTOR PERFORMING WORK ON THIS PROJECT SHALL FAMILIARIZE HIMSELF WITH THIS SITE AND SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES RESULTING DIRECTLY OR INDIRECTLY FROM HIS OPERATIONS, WHETHER OR NOT SUCH FACILITIES ARE SHOWN ON THESE PLANS.
- THE CONTRACTOR SHALL RENEW OR REPLACE ANY EXISTING TRAFFIC STRIPING AND/OR PAVEMENT MARKINGS, WHICH DURING HIS OPERATIONS HAVE BEEN EITHER REMOVED OR THE EFFECTIVENESS OF WHICH HAS BEEN REDUCED. RENEWAL OF PAVEMENT STRIPING AND MARKINGS SHALL BE DONE IN CONFORMANCE WITH SECTIONS 84 AND 85 OF THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.
- UTILITY LINE LOCATIONS WERE TAKEN FROM RECORD AND WERE NOT LOCATED IN THE FIELD, UNLESS OTHERWISE NOTED ON THE PLAN. THE CONTRACTOR IS REFERRED TO SECTION 5 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- STATE LAW (SB 3019) REQUIRES THE CONTRACTOR TO CONTACT UNDERGROUND SERVICE ALERT AND OBTAIN AN IDENTIFICATION NUMBER PRIOR TO THE ISSUANCE OF THE CITY'S ENCROACHMENT PERMIT. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (1-800-422-4133, 48 HOURS MINIMUM) IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES THAT CAN AFFECT ANY UNDERGROUND UTILITIES.
- ALL OBSTRUCTIONS WITHIN THE AREA TO BE IMPROVED ARE TO BE REMOVED OR RELOCATED AT THE DIRECTION OF THE CITY ENGINEER. UTILITIES ARE TO BE RELOCATED BY THEIR RESPECTIVE OWNERS. THE CONTRACTOR IS REFERRED TO SECTION 5 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- IN CASE OF ACCIDENTS INVOLVING SAFETY MATTERS COVERED BY SECTION 6424 OF THE CALIFORNIA LABOR CODE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE STATE DIVISION OF INDUSTRIAL SAFETY.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND A BUSINESS LICENSE FROM THE CITY OF ONTARIO.
- THE CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO WORKING DAYS PRIOR TO THE TIME OF CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR IS REFERRED TO SECTION 7-10.3 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- ALL WORK RELATED TO ELECTRIC SERVICE SHALL BE PERFORMED IN CONFORMANCE WITH THE REQUIREMENTS OF THE SOUTHERN CALIFORNIA EDISON COMPANY.
- OBTAIN APPROVAL FOR EXACT EQUIPMENT, POLE, AND DETECTOR LOCATIONS PRIOR TO FINAL PLACEMENT.
- ALL PULL BOXES ADJACENT TO MASTARM POLES, OR WITH FOUR OR MORE CONDUITS ENTERING SHALL BE #6. ALL OTHERS SHALL BE #5 UNLESS OTHERWISE SHOWN.
- DETECTOR LOOPS SHALL BE SPLICED IN SERIES. PHYSICALLY ADJACENT DETECTOR LOOPS SHALL BE WOUND WITH OPPOSITE ROTATION. ROTATION REVERSAL MAY BE ACCOMPLISHED AT THE PULL BOX BY REVERSING THE LEADS.
- AT THE DIRECTION OF THE ENGINEER, THE CONTRACTOR SHALL DELIVER AND UNLOAD ANY SALVAGE AT THE ONTARIO MUNICIPAL SERVICE CENTER, 1425 SOUTH BON VIEW AVENUE, OR CITY WELL SITE NO. 9, ON THE WEST SIDE OF COLUMBIA AVENUE NORTH OF DEODAR STREET.
- CITY ACCEPTANCE OF PLANS DOES NOT RELIEVE THE ENGINEER OR THE DEVELOPER FROM RESPONSIBILITY FOR THE CORRECTION OF ERROR AND OMISSION DISCOVERED DURING CONSTRUCTION. UPON REQUEST OF THE CITY INSPECTOR, THE REQUIRED PLAN REVISIONS SHALL BE PROMPTLY SUBMITTED TO THE CITY ENGINEER FOR REVIEW.
- PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL OBTAIN FROM THE CITY A SET OF SPECIAL PROVISIONS PREPARED SPECIFICALLY FOR THIS WORK.



REVISIONS				
MARK	DATE	BY	APPROVED/RCE NO.	

DESIGNED BY: J. BAUTISTA
DATE: SEPTEMBER 2007
DRAWN BY: J. BAUTISTA
DATE: SEPTEMBER 2007
CHECKED BY:
DATE:

CITY OF ONTARIO

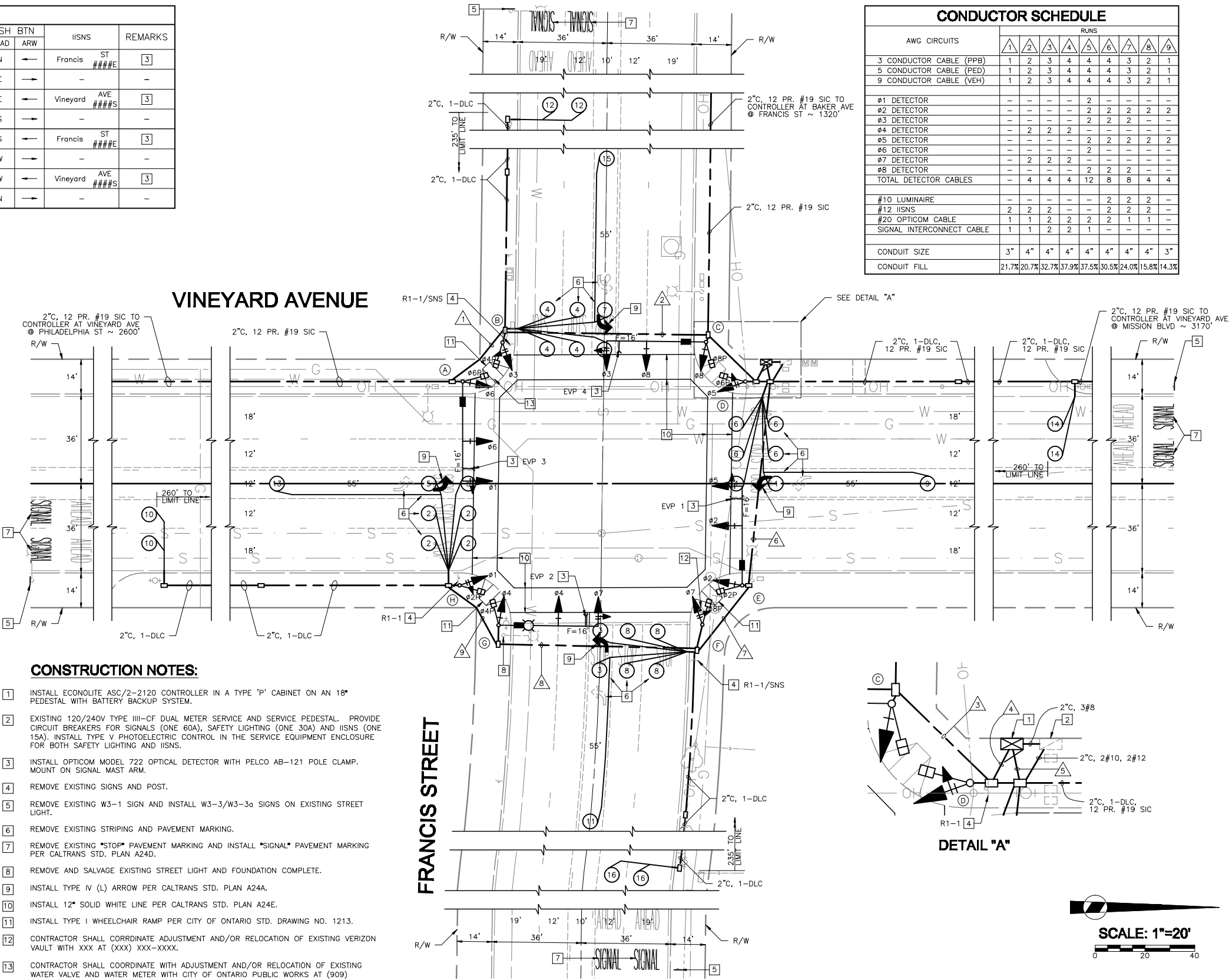
RECOMMENDED BY: _____	DATE: _____
ACCEPTED BY: _____	DATE: _____

BENCH MARK No. _____ ELEV. _____

LOCATION:

FRANCIS STREET

VINEYARD AVENUE



CONDUCTOR SCHEDULE

AWG CIRCUITS	RUNS								
	1	2	3	4	5	6	7	8	9
3 CONDUCTOR CABLE (PPB)	1	2	3	4	4	4	3	2	1
5 CONDUCTOR CABLE (PED)	1	2	3	4	4	4	3	2	1
9 CONDUCTOR CABLE (VEH)	1	2	3	4	4	4	3	2	1
01 DETECTOR	-	-	-	-	2	-	-	-	-
02 DETECTOR	-	-	-	-	2	2	2	2	2
03 DETECTOR	-	-	-	-	2	2	2	-	-
04 DETECTOR	-	2	2	2	-	-	-	-	-
05 DETECTOR	-	-	-	-	2	2	2	2	2
06 DETECTOR	-	-	-	-	2	-	-	-	-
07 DETECTOR	-	2	2	2	-	-	-	-	-
08 DETECTOR	-	-	-	-	2	2	2	-	-
TOTAL DETECTOR CABLES	-	4	4	4	12	8	8	4	4
#10 LUMINAIRE	-	-	-	-	-	2	2	2	-
#12 IISNS	2	2	2	-	-	2	2	2	-
#20 OPTICOM CABLE	1	1	2	2	2	2	1	1	-
SIGNAL INTERCONNECT CABLE	1	1	2	2	1	-	-	-	-
CONDUIT SIZE	3"	4"	4"	4"	4"	4"	4"	4"	3"
CONDUIT FILL	21.7%	20.7%	32.7%	37.9%	37.5%	30.5%	24.0%	15.8%	14.3%